

PTO/SB/21 - MODIFIED  
09/2004**TRANSMITTAL  
FORM***to be used for all correspondence after initial filing*

Application Number 09/901,507

Filing Date 07/09/2001

First Named Inventor Zining WU

Group Art Unit 2634

Examiner Name Kevin Kim

Total number of pages in this submission including transmittal 20

Attorney Docket Number MP0077

**ENCLOSURES (check all that apply)**

- |  |  |   |
|--|--|---|
| <input type="checkbox"/> Fee Transmittal Form<br><input type="checkbox"/> Fee Attached - Check<br><input type="checkbox"/> Amendment / Reply<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><input type="checkbox"/> Extension of Time Request<br><input type="checkbox"/> Express Abandonment Request<br><input checked="" type="checkbox"/> Information Disclosure Statement with PTO 1449 and cited references<br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><input type="checkbox"/> Response to Missing Parts/ Incomplete Application<br><input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Assignment Papers (for an Application)<br><input type="checkbox"/> Drawing(s)<br><input type="checkbox"/> Licensing-related Papers<br><input type="checkbox"/> Petition<br><input type="checkbox"/> Petition to Convert to a Provisional Application<br><input type="checkbox"/> Power of Attorney, Revocation<br>Change of Correspondence Address<br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Request for Refund<br><input type="checkbox"/> CD, Number of CD(s) _____<br><input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication to TC<br><input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences<br><input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)<br><input type="checkbox"/> Proprietary Information<br><input type="checkbox"/> Status Letter<br><input checked="" type="checkbox"/> Other Enclosure(s) (identify below): |
|--|--|---|

REMARKS

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name KATTEN MUCHIN ROSENMAN, LLP

Signature

Printed Name Andrew J. Bateman

Reg. No. 45,573

Date: 05-18-05

**CERTIFICATE OF FACSIMILE TRANSMISSION OR MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO via fax no. (703) 872-9306 or is being deposited with the US Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature

Typed or Printed Name

Date:



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re Application of:

Zining WU, et al.

Application No.: 09/901,507

Filed: July 9, 2001

For: SOFT-OUTPUT DECODING  
METHOD & APPARATUS FOR  
CONTROLLED INTERSYMBOL  
INTERFERENCE CHANNELS

)  
)  
) Group Art Unit: 2634

)  
) Examiner: Kevin Kim

)  
) Confirmation No.: 4911

)  
)  
) Date: May 18, 2005

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

In compliance with the duty of disclosure under 37 CFR § 1.56 and in accordance with the practice under 37 CFR §§ 1.97 and 1.98, the Examiner's attention is directed to the documents listed on the enclosed PTO-1449 and to the attached copies of any non-U.S. patent documents listed thereon.

In accordance with 37 CFR § 1.97(h), this Information Disclosure Statement is not to be construed as an admission that the information cited is or is considered to be material to patentability as defined in 37 CFR § 1.56(b), nor as an admission that the information constitutes prior art within the meaning of 35 USC §§ 102 and/or 103.

It is respectfully requested that the information listed on the PTO-1449 be considered by the Examiner, and that an initialed copy of the PTO-1449 be returned indicating that such information was considered.

No fee is necessary for the submission of this Information Disclosure Statement.

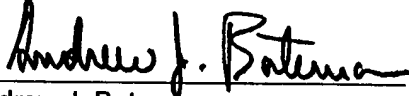
Should the Examiner have any questions, Applicants' undersigned attorney is reachable by telephone in our Washington, D.C. office at (202) 625-3547. The correspondence address of record remains as provided below.

Respectfully submitted,

KATTEN MUCHIN ROSENMAN, LLP

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Katten Muchin Rosenman, LLP  
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Facsimile No.: (202) 298-7570  
Customer No.: 28285

By:

  
Andrew J. Bateman  
Registration No. 45,573

**APPLICATION NO.**

09/901,507

**APPLICANT**

**Zining WU**

FILING DATE

**GROUP**

07/09/2001

2634

[illegible]

*EXAMINER INITIALS		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION OR ABSTRACT (Yes or No)

	Shoemaker and Heegard, "Computationally Efficient Turbo Decoding with Bi-Directional Viterbi Algorithm (BIVA)", IEEE, ISIT 1997
	L.H.C. Lee, Computation of the Right-Inverse of G(D) and the Left-Inverse of H'(D), June 21, 1990, I.E.E.E. Vol. 26, No. 13, pp. 904-906
	J. Hagenauer and P. Hoeher: "A Viterbi algorithm with soft-decision outputs and its applications," Proc. IEEE GLOBECOM '90, Dallas, Tex., pp. 47.1.1-47.1.7, November 1989
	Öberg, Mats, "Parity Check Codes for Partial Response Channels," IEEE Global Telecommunications Conference – Globalcom '99, pp. 717-722, 1999

DATE CONSIDERED

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



MP0077

PATENT

2634  
JFW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
 )  
Zining WU, et al. ) Group Art Unit: 2634  
 )  
Application No.: 09/901,507 ) Examiner: Kevin Kim  
 )  
Filed: July 9, 2001 ) Confirmation No.: 4911  
 )  
For: SOFT-OUTPUT DECODING )  
METHOD & APPARATUS FOR )  
CONTROLLED INTERSYMBOL )  
INTERFERENCE CHANNELS ) Date: July 26, 2005

COMMUNICATION TO EXAMINER

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

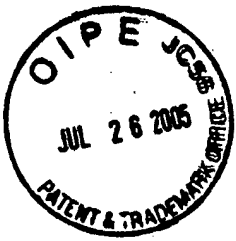
An Information Disclosure Statement was filed in the above-identified application on May 18, 2005 (copy attached with USPTO date-stamped filing receipt). A Notice of Allowance was issued in this application on June 3, 2005. To date, no initialed copy of the PTO Form 1449s have been received.

Applicants respectfully request that the Examiner initial the attached duplicate PTO Form 1449s and return them to Applicants.

Respectfully submitted,

By: Andrew J. Bateman  
Andrew J. Bateman  
Registration No. 45,573

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Applicant(s): WU Date Sent: 5-18-05  
Client: \_\_\_\_\_ By: \_\_\_\_\_ 1st Class Mail  
App/Pat/Reg No.: 09/901,507 ☒ Hand-Carried  
Filing/Issue Date: 7/9/01 \_\_\_\_\_ Other  
Docket No.: 213200.114 (MP77) \_\_\_\_\_ U.S. P.O. Express Mail No.:  
Attorney: ASB  
Due Date: \_\_\_\_\_  
Title/Mark: Soft-Output Decoding Method and Apparatus ... Channels

The U.S. Patent and Trademark Office date stamped hereon is the date on which the below-listed items were received:

Enclosures (including # of pages):

Transmittal	1
IDS w/1449 cited refs	19

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